SNC2D8 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 1 Review for Quiz**

1. What are the 3 main ideas of the cell theory? [page 11]

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2. Make sure you can label all of the organelles on the diagrams of the animal cell & plant cell on

pages 12 & 13. What are 2 main differences between plant and animal cells?

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3. Use your sheet with the organelles to review what the function of each organelle is. [p.12-13]

4. What is the difference between DNA, a chromosome, and a gene? [p.16-17]

5. What are the 4 types of building block molecules of DNA? [p.17]

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6. What is DNA replication? How many chromosomes are present in a human cell after DNA replication? [p. 33]

7. Describe the difference between cytokinesis in animal cells & plant cells. [p.38]

8. In general, what are the 3 cell cycle checkpoints? [p. 41]

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9. How are cancerous cells different from other cells? [p.43] What other type of cells in the human

body divide rapidly too? [See Table 1.3, page 40]

7. Complete the following chart with the name of each phase of mitosis & what happens during each

[Use pages 34-35]:

|  |  |
| --- | --- |
| Diagram & Name of phase: | Description of what happens: |
| Macintosh HD:Users:rubinakhan:Desktop:prophase_11327430286534.jpg |  |
| Macintosh HD:Users:rubinakhan:Desktop:metaphase_11327430435490.jpg |  |
| Macintosh HD:Users:rubinakhan:Desktop:anaphase_11327430697359.jpg |  |
| Macintosh HD:Users:rubinakhan:Desktop:telophase_11327446822617.jpg |  |